

UNITED STATES PLANT PATENT APPLICATION

of

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for

CLEMATIS VARIETY

'EVIpo002'

SUMMARY OF THE DISCOVERY

BOTANICAL CLASSIFICATION:

Clematis flammula viticella

VARIETY DENOMINATION

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'EVIpo002'

COMMERCIAL CLASSIFICATION:

Early-Large Flowering Cultivar

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The present discovery constitutes a new and distinct variety of *Clematis* which originated from an uncontrolled pollination of two unnamed *Clematis* plants. The claimed plant was discovered in a cultivated area. The new variety is named 'EVIpo002'.

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The objective of the selection of this *Clematis* variety for commercial glasshouse and nursery culture was to create a new and distinct variety with unique qualities such as:

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1. Large full form red-purple flowers
2. Compact Growth
- 25 3. Yellow flower center
4. Strong flower color with good color retention

These qualities required improvement in Clematis varieties that were in commercial cultivation and the objectives have been substantially achieved in the new variety, as evidenced by the unique
5 combination of characteristics that are present in 'EVIpo002' which distinguish it from all other varieties of which we are aware.

The seeds from a chance hybridization were
10 germinated and evaluations were conducted on the resulting seedling plants in a controlled environment. 'EVIpo002' was selected by Raymond J. Evison and Mogens N. Olesen in their Clematis development program in Domarie Vineries Les
15 Sauvagees, St. Sampsons, Guernsey, Channel Islands, United Kingdom in April 1997.

Asexual reproduction of 'EVIpo002' by cuttings was first done by Raymond J. Evison and Mogens N. Olesen in Domarie Vineries Les Sauvagees, St. Sampsons,
20 Guernsey, Channel Islands, United Kingdom in May 1997. This initial and subsequent propagations have demonstrated that the characteristics of 'EVIpo002' are true to type and are transmitted from one generation to the next.

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BRIEF DESCRIPTION OF THE DRAWING

The accompanying color illustration show as true as is reasonably possible to obtain in color photographs of this type:

Fig. 1.1 Juvenile foliage attached to stems, petiole, petiolule, and stems;

Fig. 1.2 Mature foliage with petiole;

Fig. 1.3 Bracts and various stages of flower development;

Fig. 1.4 Open flower, upper side

Fig. 1.5 Open flower, lower side

DETAILED DESCRIPTION OF THE VARIETY

The following is a detailed description of 'EVIpo002', as observed in its growth throughout the flowering period in glasshouses at Domarie Vineries Les Sauvagees, St. Sampsons, Guernsey, Channel Islands, United Kingdom. Certain phenotypical characteristics of the variety may vary under different environmental, cultural, agronomic, seasonal, and climatic conditions. Color references are made using the Royal Horticultural Society (London, England) Colour Chart, 2001.

For a comparison, the nearest existing Clematis

variety is 'Niobe', a non-patented variety. **Chart 1** details several physical characteristics of the claimed Clematis plant and the comparison variety.

Chart 1

	'EVipo002'	'Niobe'
Leaflet size	40 to 50 mm	30 to 40 mm
Tepal width	30 to 40 mm	25 to 30 mm
Flower diameter	120 to 180 mm	100 to 150 mm
Tepal overlap	Tepals overlap by 5 to 10 mm	Tepals do not normally overlap

PARENTAGE INFORMATION

Unnamed seedling x Unnamed seedling

FLOWER AND FLOWER BUD

Blooming habit: Normally blooms in April, May, and June recurring in August, September, and October.
Flowering may be prolonged throughout the growing season if pruned accordingly.

Flower bud:

Size: 30 to 40 mm in length. 10 to 13 mm in diameter.

	<u>Bud form:</u>	Long ovoid
	<u>Bud color:</u>	Red Purple Group 61A at 1/4 opening.
	<u>Tepals:</u>	Purple Group N79C.
5	<u>Peduncle:</u>	Surface: Smooth
		Length: 90 to 120 mm average length.
		Color: Green Group 131A.
		Strength: Strong
10	<u>Borne:</u>	Normally compound cymes. Early season flowers may be borne single.
15	Flower bloom:	
	<u>Size:</u>	120 to 180 mm in diameter.
	<u>Form:</u>	Upon opening: Flat with sepals slightly reflexing.
20	<u>Depth:</u>	Tepal depth as viewed from the side is 5 to 10 mm.
		Reproductive parts protrude giving flower overall depth of
25		15 to 20 mm.

	<u>Color:</u>	Upon opening;
		Upper Surface is Red-Purple
		Group 71A.
		Lower Surface is Red-Purple
5		Group 71A.
		After opening;
		Upper Surface is Red-Purple
		Group 71A.
		Lower Surface is Red-Purple
10		is Purple N79C. At the
		basal zone, tepals are
		Violet N90A.
	<u>Variations:</u>	As the flower matures, the upper
15		surface of the tepal exhibits
		more blue tones and tends
		towards Purple RHS79C.
	<u>Fragrance:</u>	None to very light floral
20		fragrance.
	<u>Lasting quality on plant and as a cut flower:</u>	
		2 to 5 days as a cut flower.
		Flowers persist 7 to 12 days on
		the plant.
25	Tepals:	
	<u>Tepal Count:</u>	Single
		Average: 6

Shape: Obovate.
Cross section: Reflexed.
Undulation of margin:
5 Sepal margin is entire with
 slight undulations, 1 to 2 in
 quantity, along the length of
 the tepal. The depth of these
 undulations is typically 5 to 10
 mm.
10 Tepal apex: Cuspidate.
 Recurvature of tip:
 Slight.
 Persistence: Tepals drop off cleanly.
 Arrangement: Tepals are arranged regularly.
15 **Reproductive Organs:**
 Pollen:
 Quantity: Average.
 Color: Yellow Group 11B.
 Anthers:
20 Size: 4 to 7 mm.
 Color: Yellow Group 11B.
 Arrangement: Regular.
 Filaments: Color: White Group 155A.
 Pistil: Quantity: 30 to 45.
25 Stigmas: Protrude from flower as it
 reaches full maturity.
 Styles: Yellow Group 11B.

Seed Production: Under normal conditions,
each ovary will produce 15 to 25 seeds.
Seed is Green Group 143C in color and is
circular to tear shaped. Seed diameter is
2 to 3 mm with an elongated plumule 15 to
25 mm in length.

PLANT

Plant form: Climbing and spreading.

10 **Plant growth:** Moderately vigorous.

Height: Seasons growth attains 2 to 2.5
meters.

Width: 1 to 2 meters.

Hardiness: Trials to date show the variety hardy
15 in USDA Zones 4-9.

Stems:

Color: Young wood: Red Purple Group
61A.

Older wood: Greyed Orange
20 Group 165C.

Internodes: Cylindrical. Length: 180 to 120
mm.

Petioles:

Size: Average length:
25 60 to 80 mm.

Color: Red Purple 61A.

- Clasping: By leaf Petiole.
- Bark: Young wood: Smooth.
- Older wood: Smooth.
- 5 Plant foliage: Deciduous.
- Form: Three broadly ovate leaflets
arranged in pinnate form.
- Terminal Leaflet size: 40 to 50mm in length
by 70 to 80 mm wide.
- 10 Abundance: Above Average.
- Color: Above: Green Group 137B.
Bottom: Green Group 137B.
- Plant leaves and leaflets:**
- 15 Stipules: Absent.
- Petiole: Length: 60 to 80 mm.
Underneath: Without prickles.
- Petioloule: Length: 10 to 30 mm.
Color: Red Purple 61A.
- 20 Leaf Edge: Terminal leaflet margin is
entire with mild undulations.
- Shape: Base of leaflet: Rounded to
Cordate.
Apex of leaflet: Acute.
- 25 Texture:
Upper side: Rough.

Lower side: Rough.

Thickness: Moderate.

Glossiness: Matte Finish.

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Disease resistance:

Subject to any disease that normally attacks the species, however the variety is more tolerant to *Botrytis* and mildew than some Clematis.